

Louisiana Delta Community College

Expanded Course Syllabus – Chemistry 111

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Office Hours: M,F 8:00-10:30; T,Th 11:00-12:00; W 2:00-4:30

Class Time: Monday 2:00-4:30

1. Course Name: Chemistry I Laboratory

2. Course Prefix and Number: CHEM 111

3. Course Description: Laboratory designed to accompany CHEM 110 includes introduction to basic laboratory skills and operations including experiments dealing with physical and chemical properties, chemical reactions, and solution chemistry.

4. Credit hours: 1

5. Prerequisites and Co-requisites: Enrolment in or completion of CHEM 110 with a grade of C or better

6. Text: *Chemistry: The Central Science*, 11th ed., Nelson & Kemp, Pearson Education/Prentice Hall.

7. Other Text References: None

8. Learning Outcomes: On completion of this course, the student will be able to:

1. Properly use common laboratory equipment and to properly execute basic laboratory techniques
2. Identify and separate compounds based on different physical properties
3. Create calibration standards and plot a calibration curve
4. Fill out a lab report and answer questions on the appropriate experiment. Topics include analysis of inorganic compounds, titrations, molecular geometry, electronic structure, gas laws, and colligative properties

9. Evaluation/Assessment Measures:

- a. Midterm and Final (15% each)
b. Daily lab grades

30 %
70%

Grading Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 - 59	F

Grades will be rounded to 2 significant figures. Typical lab breakdown will be 70% on results and report sheet 10% on preliminary questions and 20% on the quiz. All labs will be counted as equal. If all labs are attended then you will be given a drop grade. If you miss a lab even with an excuse then that lab will count as your drop grade. If you miss more than one lab, then you will have to have an excuse that is emergency in nature. Scheduled appointments do not count. You will have to make up these labs and it is your responsibility to schedule your makeup.

Safety is mandatory. A reduction of up to 1 % of the final grade can be assessed with each violation of the safety glasses policy. Glasses should be put on before entering the room and should not be taken off until the room is left. One warning will be given, and then deductions will be given.

Proper dress is required. Long pants and close toed shoes are required. No one will be admitted to the lab without the proper clothing. You must leave and return after changing. If any work is missed as a result of your leaving then you be given a zero. The class time will not be extended to accommodate your being late.

Cleanliness is mandatory. If the lab bench or common area is left dirty, then a penalty of up to 1% per infraction can be assessed to the final grade of all students sitting at a lab bench. The stools must be put under the table and the water wiped up around the area. All glassware should be stored properly at the end of the day.

If work is to be done in groups then all students should participate equally. If one student is observed doing all of the work then the other students grades can be adjusted to reflect the amount of work done. Only work in groups of the assigned size. Groups can be asked to split or partners be changed at the instructors whim.

11. Tentative course schedule for semester (This is only a guideline for the semester. Dates and chapters are subject to change.)

Week 1		Syllabus	Laboratory Safety/Orientation
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Week 2		Experiment 1	Basic Laboratory Techniques
Week 3		Experiment 2	Identification of a Substance by Physical Properties
Week 4		Experiment 3	Separation of the Components of a Mixture
Week 5		Experiment 6	Chemical Reactions of Copper and Percent Yield
Week 6		Experiment 8	Gravimetric Analysis of a Chloride Salt
Week 7		Experiment 20	Acid/Base Titrations
Week 8		Midterm	
Week 9		Experiment 11	Molecular Geometries of Covalent Molecules
Week 10		Experiment 12	Atomic Spectra and Atomic Structure
Week 11		Experiment 19	Colligative Properties: Freezing Point Depression
Week 12		Calibration Curves	Spectrophotometric Determination of Ion Concentration
Week 13		Experiment 14	Determination of the Gas Law Constant
Week 14		Final Exam	

12. College and Classroom Policies

A. Students with Disabilities

The Office of Student Counseling and Disability Services coordinates campus-wide efforts to provide services and accommodations for students with disabilities. In compliance with the American Disabilities Act (ADA), students with documented disabilities who need course accommodations, have emergency medical information or require special arrangements for building evacuation should contact the instructor within the first two weeks of class at 318-342-3707 or office listed above.

B. Attendance

Attendance policies correspond to those listed in the *Delta Academic Catalog*. Class attendance is regarded as an obligation as well as a privilege, and all students are expected to attend regularly and punctually all classes in which they are enrolled. A student shall submit written excuses for all class absences to the appropriate instructor within three class days after the student returns to the respective class. Students are responsible for all class work missed regardless of the reason for the absence. **Attendance in laboratory is mandatory. No makeup work will be given for unexcused missed classes. Quizzes and preliminary assignments are due at the start of class. Once they are collected, they will not be accepted even for partial credit. If you attend all labs then your lowest grade will be dropped. If you miss one lab even with an excused absence then this will be counted as your drop grade. Any other labs that are missed with a pre-approved excuse or an emergency excuse (at the discretion of the instructor) will be allowed to make up the lab. It is your responsibility to arrange an acceptable make up time. Any labs not made up within 3 weeks of the missed lab will be permanently given a zero.**

D. Academic Support Services: Delta provides students with resources and support outside of the classroom through the Library/LRC in Coenen 150

(<http://www.ladelta.cc.la.us/library>) and a Student Success Center which provides workshops, resources, and tutorial support.

E. Electronic Devices/Other noise-making devices

Cell phones should be turned to vibrate. If you have to answer the phone please leave the classroom as quietly as possible. This should be the exception not the norm. If this policy is abused the student could be asked to turn off their cell phone.

F. Safety Regulations

No firearms, weapons, tobacco products, alcoholic beverages, or illegal drugs are permitted in the classroom. In the event you do not adhere to this policy, you will be asked to leave the classroom and expulsion from the college is possible.

C. Academic Integrity

Louisiana Delta Community College upholds standards of academic integrity of its students and faculty. Academic integrity is essential to assure learning through assessment. Students are responsible for being aware of and adhering to academic rules and regulations for the college and classroom as defined in the *Delta Academic Catalog* and *Delta Student Handbook*. Academic dishonesty includes but is not limited to cheating, fabrication, plagiarism, interference, misrepresentation, violation of class rules, and fraud. Identified instances of academic misconduct or dishonesty warrant disciplinary actions by the instructor or college. Please refer to Delta's *Student Handbook* for more information. **On test days bags, books, cell phones, and any other personal items will be left at the front of the room. The only thing that will be permitted at the desk is a pencil, a calculator. TI-84 Plus Calculators will be provided for the test. No other graphing calculator will be allowed. If you would like to use a non-graphing calculator on the test, you must bring it to my desk for examination prior to the start of the exam.**

LOUISIANA DELTA COMMUNITY COLLEGE CODE OF STUDENT CONDUCT

All members of the College community are expected to respect the principles of honesty and mutual trust embodied in the honor code. Students are responsible for preparing their own written work in every class unless specifically permitted by the instructor to combine efforts on an assigned project. Students are expected to understand the meaning of plagiarism and to avoid all suspicion of plagiarism in papers prepared. Furthermore, students are expected neither to sanction nor tolerate violation of the honor code by others.

Students will not give or receive any unauthorized aid on any examination or paper. If a student witnesses anyone else doing so, that student must be reported immediately to the faculty member and/or the appropriate College administrator.

ACADEMIC MISCONDUCT

Types of Academic Misconduct (1.01)

Although all academic misconduct is wrong, premeditated acts of academic misconduct represent a greater threat to the integrity of the College than do unpremeditated acts of academic misconduct.

Categories of Academic Misconduct (1.02)

Cheating is the intentional use of inappropriate assistance, information, materials, or study aids in any academic exercise. Cheating includes the use of unauthorized assistance, information, or materials on tests, homework, quizzes, papers, projects, and all other academic assignments. Additionally, students who provide such unauthorized assistance are also guilty of cheating.

Fabrication is defined as altering official college documents, forging signatures of college officials or other individuals, or changing grades and other academic records. Fabrication also includes submitting false records to gain admission to the College. Furthermore, any oral or written misrepresentation of truth in any communication with College administrators, faculty, or staff is also fabrication.

Plagiarism involves submitting another person's ideas, words, data, arguments or sentence structure as the student's own without proper documentation.

Misrepresentation is intentionally presenting oneself as someone else, or intentionally misrepresenting a condition or situation to gain credit or concessions on academic work, including make-up tests, projects, and class assignments.

Violation of class rules is the intentional failure to follow the class policies concerning assignments and behavior.

Other forms of academic misconduct include **complicity**, the willing involvement with others in any academic misconduct; **software fraud**, the unlawful downloading and copying of computer software used in the creation of academic work; and **multiple submissions of work**, handing in academic work that was done previously by the student for another class, or by someone else.

Disciplinary Sanctions for Academic Misconduct (1.03)

Depending on the type of violation, the number of times a student has committed an offense, and the discretion of the instructor, penalties may include any combination of the following: **I will seek the maximum penalty for each infraction.**

1. Loss of partial credit for the assignment.

2. Reduced grade for the course.
3. Grade of "F" for the course.
4. Zero assigned to test or assignment.
5. Academic Probation
6. Counseling
7. Academic Suspension
8. Expulsion

Administration of Penalties (1.04)

Instructors assign penalties to the student based on the above criteria. Student appeals of the penalty will be directed to the appropriate Academic Supervisor, or, if necessary, to the Dean of Instruction.

Should the student's violation of the Academic Honesty Policy warrant probation, suspension, or expulsion, the matter will be referred to the **Admissions and Academic Appeals Committee. Appeals of penalties will be directed to the Vice Chancellor of Academic and Student Affairs.**

The complete Academic Misconduct policies and the Due Process Procedure (sections 1.05-1.06) are listed in the Student Handbook.